INTERNATIONAL SEARCH REPORT

tional application No.
PCT/KR02/02113

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 B01J 19/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01J 19/08 C01G 23/047 C01B 33/12 C01B 21/00 B05B 5/03

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR JP

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
http://ep.espacenet.com "corona discharge ceramic particles"
http://ndsl.or.kr/eng/newindex.html "corona discharge ceramic particle" "corona silica flame"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 2001098715 (AHN KANG HO, et. al.) 18-04-01 (See the whole document)	1-3, 8, 9-14, 16-19
Y	US 5,861,132 (University of Cincinnati) 19-01-99 (See "Detailed Description of the Invention".)	1-3, 8, 9-14, 16-19
A	S.Vemury and S.E. Pratsinis, "Corona-assisted Flame Synthesis of Ultrafine Titania Particles", Appl. Phys. Lett. 66(24), pp3275-3277, June 1995 (See p3275.)	1, 9, 12, 16
A	Foutou, Pratsinis, and Baron, "Coating of Silica Fibers by Ultrafine Particles in a Flame-Reactor", Chem. Eng. Sci., 49:1651, 1994 (See Figure 1.)	1

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents,such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
10 JUNE 2003 (10.06.2003)	12 JUNE 2003 (12.06.2003)

Name and mailing address of the ISA/KR
Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer
CHUNG, Nack Seung
Telephone No. 82-42-481-5556

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2001098715	18-04-01	WO 0183101 A1 US 2002158140 A1 AU 5273401	08-11-01 31-10-02